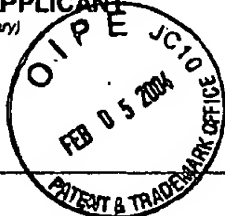


Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Complete if Known

Applicant Number	09/945,507
Filing Date	August 30, 2001
First Named Inventor	Forbes, Leonard
Group Art Unit	2824
Examiner Name	Dinh, Son

Sheet 1 of 3

Attorney Docket No: 1303.014US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date if Appropriate
CD	US-2001/0013621	08/16/2001	Nakazato, K	257	314	12/08/2000
	US-2001/0055838	12/27/2001	Walker, A J., et al.	438	129	08/13/2001
	US-2002/0028541	03/07/2002	Lee, T H., et al.	438	149	08/13/2001
	US-2003/0042527	03/06/2003	Forbes, Leonard, et al.	257	315	08/30/2001
	US-2003/0042532	03/06/2003	Forbes, Leonard	257	316	08/30/2001
CD	US-2003/0043622	03/06/2003	Forbes, Leonard	365	185.05	08/30/2001
	US-2003/0043630	03/06/2003	Forbes, Leonard, et al.	365	185.26	08/30/2001
	US-2003/0043632	03/06/2003	Forbes, Leonard	365	185.28	08/30/2001
	US-2003/0043633	03/06/2003	Forbes, Leonard, et al.	365	185.28	12/20/2001
	US-2003/0045082	03/06/2003	Eldridge, Jerome M., et al.	438	593	02/20/2002
	US-2003/0048666	03/13/2003	Eldridge, Jerome M., et al.	365	185.28	06/21/2002
CD	US-2004/0004245	01/08/2004	Forbes, Leonard, et al.	257	315	07/08/2002
	US-2004/0004247	01/08/2004	Forbes, Leonard, et al.	257	324	07/08/2002
	US-2004/0004859	01/08/2004	Forbes, Leonard, et al.	365	185.05	07/08/2002
	US-3,978,577	09/07/1976	Bhattacharyya, Arup, et al.	29	571	06/30/1975
	US-4,449,205	05/15/1984	Hoffman, Charles R.	365	182	02/19/1982
	US-4,495,219	01/22/1985	Kato, Takashi, et al.	427	82	10/08/1982
	US-4,717,943	01/05/1988	Wolf, Hans P., et al.	357	23.5	07/16/1986
	US-4,794,565	12/27/1988	Wu, Albert T., et al.	365	185	09/15/1986
	US-4,870,470	09/26/1989	Bass Jr., Roy S., et al.	357	23.5	10/16/1987
	US-5,445,984	08/29/1995	Gary, Hong, et al.	437	43	11/28/1994
	US-5,455,792	10/03/1995	Yi, Yong-Wan	365	185.12	09/09/1994
CD	US-5,510,278	04/23/1996	Bich-Yen, Nguyen, et al.	437	40	09/06/1994

EXAMINER SON DINH

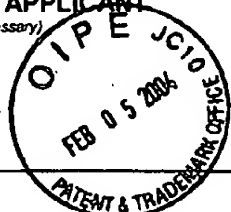
DATE CONSIDERED 3/5/04

Substitute Disclosure Statement Form (PTO-1448)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional): Applicant is to place a check mark here if English language Translation is attached

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)	Complete if Known	
	Application Number	09/945,507
	Filing Date	August 30, 2001
	First Named Inventor	Forbes, Leonard
	Group Art Unit	2824
	Examiner Name	Dinh, Son
Sheet 2 of 3	Attorney Docket No: 1303.014US1	



	US-5,617,351	04/01/1997	Bertin, Claude L., et al.	365	185.05	06/05/1995
CA	US-5,646,430	07/08/1997	Kaya, Cetin, et al.	257	322	08/28/1995
	US-5,691,209	11/25/1997	Liberkowsky, J B.	437	7	10/15/1996
	US-5,739,544	04/14/1998	Yuki, K, et al.	257	25	12/12/1995
	US-6,077,745	06/20/2000	Burns, Jr., S. M., et al.	438	270	10/29/1997
	US-6,101,131	08/08/2000	Chang, Ming-Bing	365	185.33	04/22/1999
	US-6,127,227	10/03/2000	Lin, Chrong J., et al.	438	261	01/25/1999
	US-6,135,175	10/24/2000	Gaudreault, P., et al.	144	4.1	10/19/1998
	US-6,169,306	01/02/2001	Gardner, Mark I., et al.	257	310	07/27/1998
	US-6,288,419	09/11/2001	Prall, Kirk D., et al.	257	213	07/09/1999
	US-6,306,708	10/23/2001	Peng, N	438	266	02/02/2000
CA	US-6,433,382	08/13/2002	Orlowski, M, et al.	257	315	04/06/1995

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ³

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ³
CA		AARIK, JAAN, et al., "Anomalous effect of temperature on atomic layer deposition of titanium oxide", <u>Journal of Crystal Growth</u> , (2000), pp. 531-537				
		AFANAS, V., et al., "Electron energy barriers between (100)Si and ultrathin stacks of SiO ₂ , Al ₂ O ₃ , and ZrO ₂ insulators", <u>Applied Physics Letters</u> , 78(20), (2001), pp. 3073-3075				
		BHATTACHARYYA, A., "Physical & Electrical Characteristics of LPCVD Silicon Rich Nitride", <u>ECS Technical Digest, J. Electrochem. Soc.</u> , 131(11), 691 RDP, New Orleans, (1984), 469C				
		HAN, KWANGSEOK, "Characteristics of P-Channel Si Nano-Crystal Memory", <u>IEDM Technical Digest, International Electron Devices Meeting</u> , (December 10-13, 2000), 309-312				
		INUMIYA, S, et al., "Conformable formation of high quality ultra-thin amorphous Ta ₂ O ₅ gate dielectrics utilizing water assisted deposition (WAD) for sub 50 nm damascene metal gate MOSFETs", <u>IEDM Technical Digest, International Electron Devices Meeting</u> , (December 10-13, 2000), 649-652				
		MANCHANDA, L., "Si-doped aluminates for high temperature metal-gate CMOS: Zr-Al-Si-O, a novel gate dielectric for low power applications", <u>IEDM Technical Digest, International Electron Devices Meeting</u> , (December 10-13, 2000), 23-26				
CA		YAMAGUCHI, TAKESHI, "Band Diagram and Carrier Conduction Mechanism in ZrO ₂ /Zr-silicate/Si MIS Structure Fabricated by Pulsed-laser-ablation				

EXAMINER SON DINH

DATE CONSIDERED 3/5/04

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PTO/SB/08A(10-01)
Approved for use through 10/31/2002. OMB 851-0031
US Patent & Trademark Office U.S. DEPARTMENT OF COMMERCE

Complete # Known	
Application Number	09/945,507
Filing Date	August 30, 2001
First Named Inventor	Forbes, Leonard
Group Art Unit	2824
Examiner Name	Dinh, Son
Attorney Docket No: 1303.014US1	

Sheet 3 of 3

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T*
SD	*	Deposition*, <u>Electron Devices Meeting, 2000. IEDM Technical Digest.</u> International, (2000), 19-22	

— Missing item marked with *

EXAMINER

SON DINH

DATE CONSIDERED

3/5/14

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. † Applicant's unique citation designation number (optional) ‡ Applicant is to place a check mark here if English language Translation is attached